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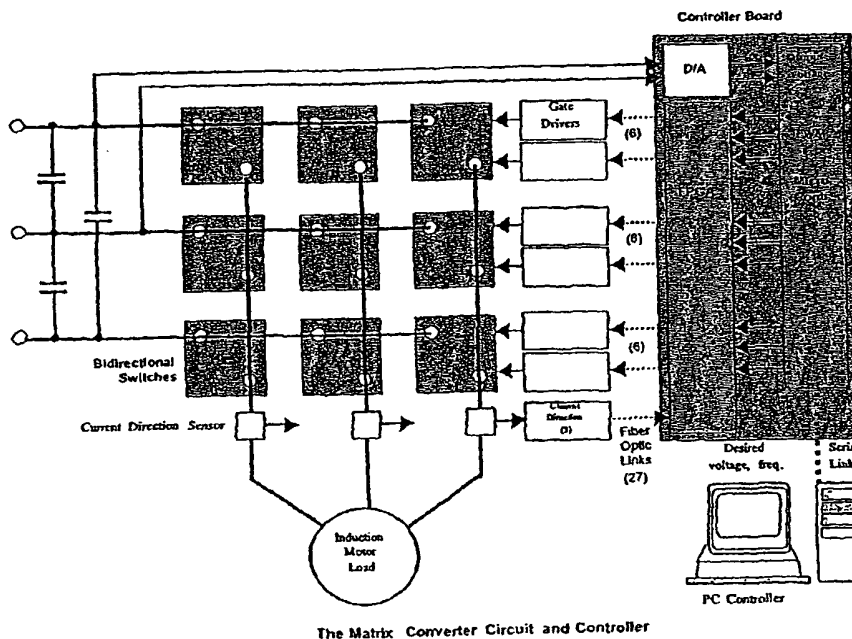
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(54) Title: **POWER CONVERTER**



(57) Abstract: In motor control of electric vehicles, a snubberless 10KVA Matrix Converter uses discrete 65 Amp, 1200 Volt MOS Controlled Thyristors (MCTs) to minimise commutation time and so achieve the optimum waveform quality, particularly useful when controlling induction motors in applications where the controller may demand very low output voltages. The matrix converter has significant advantages over the conventional dc link converter by eliminating the dc link capacitor.

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